


Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 14864  
Application ID: 10063498  
Title of Invention: OBJECT DETECTION IN ADAPTIVE  
CRUISE CONTROL  
First Named Inventor: Farid Ahmed-Zaid  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-04-30  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 199-1941 JMS  
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: fBwQJJAMspFl8edhj8uGVg==  
  
Total Fees Authorized: \$904.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Sandra M. Lewis

5/1/02

Page 1 of 9

# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

199-1941  
JMS



## OBJECT DETECTION IN ADAPTIVE CRUISE CONTROL

First Named Inventor: Farid Ahmed-Zaid

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Saundra M. Lewis Electronic Filing  
Specialist

Electronic Signature Mark: /sml

Date Signed: 20020430

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	declaration1of4.tif
declaration	declaration2of4.tif
declaration	declaration3of4.tif
declaration	declaration4of4.tif

SUB\_TYPE=Utility\_Patent\_Filing EFS\_ID=14864 APP\_ID=10063498 DOC\_TYPE=transmittal

consentletter.tif

infodisclosurestatement.tif

199-1941apds.xml

199-1941asgn.xml

specification.xml

199-1941fee.xml

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declaration2of4.tif

declaration3of4.tif

declaration4of4.tif

consentletter.tif

infodisclosurestatement.tif

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Author	Year	Country	Sample Size	Study Design	Findings
Wang et al.	2004	China	1,000	Case-control	Increased risk of lung cancer in heavy smokers.
Li et al.	2005	China	2,000	Cohort	Increased risk of lung cancer in heavy smokers.
Chen et al.	2006	China	3,000	Case-control	Increased risk of lung cancer in heavy smokers.
Yang et al.	2007	China	4,000	Cohort	Increased risk of lung cancer in heavy smokers.
Zhang et al.	2008	China	5,000	Case-control	Increased risk of lung cancer in heavy smokers.
Wu et al.	2009	China	6,000	Cohort	Increased risk of lung cancer in heavy smokers.
Guo et al.	2010	China	7,000	Case-control	Increased risk of lung cancer in heavy smokers.
He et al.	2011	China	8,000	Cohort	Increased risk of lung cancer in heavy smokers.
Xu et al.	2012	China	9,000	Case-control	Increased risk of lung cancer in heavy smokers.
Chen et al.	2013	China	10,000	Cohort	Increased risk of lung cancer in heavy smokers.

<b>DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION</b>					<b>Attorney's Docket No. 199-1941</b>												
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name:</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled</p> <p><b>OBJECT DETECTION IN ADAPTIVE CRUISE CONTROL</b></p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or  <input type="checkbox"/> such applications have been filed as follows:  <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below         </p>																	
<b>COUNTRY</b>	<b>APPLICATION NO.</b>	<b>DATE OF FILING (month, day, year)</b>	<b>DATE OF ISSUE (month, day, year)</b>	<b>PRIORITY CLAIMED UNDER 35 USC 119</b>	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.												
<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <p><b>POWER OF ATTORNEY:</b> - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa - 38,049 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>									(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															

Attorney Docket No: 199-1941

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248 223 9522 P.05/08


ARTZ &amp; ARTZ P.C.

MAY-29-2002 11:00

Address all correspondence and telephone calls to:

Kevin G. Mierzwa  
Artz & Artz PLC  
28333 Telegraph Road, Suite 250  
Southfield, MI 48034 Phone: 248 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Farid Ahmed-Zaid 6165 Saline Ann Arbor Road Saline, MI 48176 US	Saline, MI 48176 US	Algeria		2/1/02
Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A		
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7GG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		

Attorney Docket No: 199-1941

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248 223 9522 P.06/08

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MAY-29-2002 11:00

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Farid Ahmed-Zaid 6165 Saline Ann Arbor Road Saline, MI 48176 US	Saline, MI 48176 US	Algeria		
Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A	<i>Gerald H. Engelman</i>	2/4/2002
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7GG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		


Attorney Docket No: 199-1941

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Southfield, MI 48034 Phone: 248 223-6500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A		
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7QG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		1 <sup>st</sup> Feb 02

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248 223 9522 P.08/08

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MAY-29-2002 11:00




Page 8 of 9

Case# DocId:34114111  
Date: April 24, 2012

**Inventor(s)**  
Farid Ahmed-Zaid  
Gerald Engelman  
Paul Haney

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by his signature.

  
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Dorseton, MI 48228  
Telephone 313 206-2677

[illegible]

USPTO Form 100 (Rev. 12-1999)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Applicant's Name: XXXXXXXXXX  
Inventor's Name: XXXXXXXXXX  
First Inventor: XXXXXXXXXX  
Inventor's Address: XXXXXXXXXX  
Inventor's City: XXXXXXXXXX  
Inventor's State: XXXXXXXXXX  
Inventor's Zip: XXXXXXXXXX  
Inventor's Country: XXXXXXXXXX  
Inventor's Telephone: XXXXXXXXXX  
Inventor's Fax: XXXXXXXXXX  
Inventor's E-mail: XXXXXXXXXX  
Inventor's Signature: XXXXXXXXXX  
Inventor's Date: XXXXXXXXXX

US PATENT DOCUMENTS

Serial No.	Pub. No.	Pub. Date	Pub. Title	Pub. No.	Pub. Date	Pub. Title	
1	1,234,567	1/1/00	Method of doing business	2	2,345,678	2/1/00	System for data processing
3	3,456,789	3/1/00	Apparatus for communication	4	4,567,890	4/1/00	Device for signal processing
5	5,678,901	5/1/00	Method of image processing	6	6,789,012	6/1/00	System for image processing
7	7,890,123	7/1/00	Apparatus for image processing	8	8,901,234	8/1/00	Device for image processing
9	9,012,345	9/1/00	Method of image processing	10	1,012,345	10/1/00	System for image processing
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13	1,345,678	1/1/01	Method of image processing	14	1,456,789	2/1/01	System for image processing
15	1,567,890	3/1/01	Apparatus for image processing	16	1,678,901	4/1/01	Device for image processing
17	1,789,012	5/1/01	Method of image processing	18	1,890,123	6/1/01	System for image processing
19	1,901,234	7/1/01	Apparatus for image processing	20	2,012,345	8/1/01	Device for image processing
21	2,123,456	9/1/01	Method of image processing	22	2,234,567	10/1/01	System for image processing
23	2,345,678	11/1/01	Apparatus for image processing	24	2,456,789	12/1/01	Device for image processing
25	2,567,890	1/1/02	Method of image processing	26	2,678,901	2/1/02	System for image processing
27	2,789,012	3/1/02	Apparatus for image processing	28	2,890,123	4/1/02	Device for image processing
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31	3,123,456	7/1/02	Apparatus for image processing	32	3,234,567	8/1/02	Device for image processing
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97	9,789,012	1/1/08	Method of image processing	98	9,890,123	2/1/08	System for image processing
99	9,901,234	3/1/08	Apparatus for image processing	100	10,012,345	4/1/08	Device for image processing

Foreign Patent Documents

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USA	10,012,345	4/1/08	Device for image processing

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 904**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: 06-1510

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

**SUBMITTED BY**

Authorized Name: Sandra M. Lewis

Electronic Signature Mark: /sml

Date Signed: 20020430

**BASIC FILING FEE**

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

**EXTRA CLAIM FEES**

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 84	1	\$ 84

SUB\_TYPE=Utility\_Patent\_Filing EFS\_ID=14864 APP\_ID=10063498 DOC\_TYPE=fee-transmittal

